

## Amendments to the Claims

1 1. (currently amended) A method for concealing errors in an intra-frame of a  
2 compressed video, comprising:  
3 decoding the intra-frame to a plurality of macroblocks, each  
4 macroblock including a plurality of pixels arranged in a rectangular array;  
5 locating a lost macroblock during the decoding;  
6 concealing pixels along an outer boundary of the lost macroblock  
7 from nearest candidate pixels along outer boundaries of macroblocks  
8 immediately adjacent to the lost macroblock; and  
9 concealing all other pixels in the lost macroblock from nearest  
10 candidate pixels selected from previously concealed pixels in the lost  
11 macroblock; and further comprising:  
12 sorting the candidate pixels  $C_i$  in an ascending order in terms of  
13 intensity values of the candidate pixels;  
14 determining a median value of the ordered candidate pixels;  
15 determining a difference  $Diff_i$  between the intensity value of the  $i^{th}$   
16 candidate pixel and the median intensity value;  
17 determining a distance  $Dist_i$  between the  $i^{th}$  candidate pixel and the  
18 current pixel;  
19 determining an evaluation score  $S_i$  for the  $i^{th}$  candidate pixel as sum  
20 of  $Diff_i$  and  $Dist_i$ ;  
21 if the evaluation score  $S_i$  is greater than a threshold  $T$ , then rejecting  
22 the  $i^{th}$  candidate pixel; and  
23 linearly interpolating remaining candidate pixels and assign an

24 interpolated value to the current pixel  $p$  according to

25 
$$p = \frac{(\sum_i \frac{C_i}{Dist_i})}{(\sum_i \frac{1}{Dist_i})}.$$

1 2. (original) The method of claim 1, in which the candidate pixels are  
2 directly above, below, to the left and to the right of a current pixel to be  
3 concealed.

1 3. (original) The method of claim 1, in which the pixels in the lost block are  
2 concealed in a spiral order, starting at an upper left corner of the lost block,  
3 and running then along the outer boundary, and ending in the middle of the  
4 lost block.

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6 4. (cancelled)

1 5. (currently amended) The method of claim 1 [[4], in which the threshold is  
2 twenty.

1 6. (currently amended) The method of claim 1 [[4]], in which the distance  
2 metric is the number of pixels from the current pixel to the candidate pixel.

7. (new) The method of claim 1, further comprising:

encoding an uncompressed video into inter-frames and intra-frames to  
produce the compressed video;

replicating macroblocks along edges of each inter-frame; and

appending the replicated macroblocks at an end of the inter-frame.